

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN 2004/000645

A. CLASSIFICATION OF SUBJECT MATTER

Int Cl.⁷:

C12N 15/50, C07K 14/165, 16/00, A61K 39/215, 39/395, 48/00, C12Q 1/04, 1/68, C12N 15/861, A61K 35/76, A61P 31/14
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int Cl.⁷: C12N, C07K, A61K, C12Q, A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Int Cl.⁷: C12P, G01N

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPODOC, WPI, PAJ, CPRS, CNKI, CA, PUBMED, BA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Journal of Tsinghua University (Natural Science) Vol. 43 No. 5, 30. May 2003 (30.05.2003), Tao Shengce et al, "Fabrication and application of SARS coronavirus gene chips for preliminary clinical sample testing", pp. 715-720	1, 19, 22-23
T	Journal of First Military Medical University Vol. 23 No. 6, 30. Jun. 2003 (30.06.2003), Wang Zhanhui et al, "Molecular virus evidence that SARS virus affecting human are derived from Caver fox", whole text	1, 23
PA	CN A 1449826 (武汉大学) 22.Oct. 2003 (22.10.2003), whole text	12
PX	THE LANCET, Vol. 362 No. 9399, 6.Dec.2003 (06.12.2003), Wentao Gao 等, "Effects of a SARS-associated coronavirus vaccine in monkeys" Abstract	38-53

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
18.Oct. 2004 (18.10.2004)

Date of mailing of the international search report
04 NOVEMBER 2004 (04-11-2004)

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 54-93

because they relate to subject matter not required to be searched by this Authority, namely:

Claims Nos.: 54-93 relate to "methods for adjusting immunity response against SARS virus infections in human beings", "methods for immunize a subject against SARS virus infections" and "methods for treating SARS virus infections in a subject", the situation listed under the PCT rule 39 (1) (iv) not required to be searched.

2. ☒ Claims Nos.: 2-11, 13-18, 20-21, 34-37

because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

Claims Nos.: 2-11, 13-18, 20-21, 34-37 are so unclear that no meaningful international search can be carried out.

3. ☐ Claims Nos.:

because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.